Claim 13 (Amended)

An optical arrangement comprising:

dispersion means for spectrally fanning out an incoming light beam in a detection beam path of a confocal microscope, wherein said fanned out beam defines a dispersion plane;

means for splitting of the spectrally fanned out beam out of said dispersion plane;

means for detection of a spectral range of said split spectrally fanned out beam; and,

a pinhole occluder having a passageway, wherein said incoming light beam is focused on said pinhole occluder, said passageway having a polygonal configuration.

Claim 14 (Amended)

The optical arrangement recited in claim 13, wherein said passageway is symmetrically configured.

Claim 15 (Amended)

The optical arrangement recited in claim 13, wherein said passageway is triangular in configuration.

Claim 16 (Amended)

The optical arrangement recited in claim 14, wherein said passageway is triangular in configuration.

Claim 17 (Amended)

The optical arrangement recited in claim 13, wherein said passageway is configured with four corners.

Claim 18 (Amended)

The optical arrangement recited in claim 14, wherein said passageway is configured with four corners.

Claim 19 (Amended)

The optical arrangement recited in claim 17, wherein said passageway is rectangular in configuration.

Claim 20 (Amended)

The optical arrangement recited in claim 18, wherein said passageway is rectangular in configuration.

Please add new Claim 31 as follows:

Claim 31 (New)

An optical arrangement comprising:

dispersion means for spectrally fanning out an incoming light beam in a detection beam path of a confocal microscope, wherein said fanned out beam defines a dispersion plane;

means for splitting of the spectrally fanned out beam out of said dispersion plane;

at least one detector operatively arranged to detect a range of said spectrally fanned out beam on a detection line in said dispersion plane, said detection line defined by diffraction minima of said fanned out beam on said dispersion plane; and,

a pinhole occluder having a passageway, wherein said incoming light beam is focused on said pinhole occluder, said passageway having a polygonal configuration.